

IN THE CLAIMS:

The following is a complete listing of the claims. This listing replaces all prior and earlier versions of the claims.

Claim 1 (canceled)

DI
Claim ¹~~2~~ (currently amended): ~~The method according to claim 1, A data transmission method for host and target devices connected by a serial bus, said method comprising the steps of:~~

performing bi-directional communication by using an initial protocol between the host and target devices; and
selectively setting a data transfer method to be performed from a plurality of data transfer methods including a synchronous transfer method, which performs flow control, and an asynchronous transfer method by using the bi-directional communication,

wherein the data transfer method is set by the host device in accordance with a data transfer method set in the target device, and the plurality of data transfer methods ~~[[includes]]~~ include a PULL model, in which the target device reads data from the host device, a response model, in which a response is returned in a unit of block transfer, a simplified response model, in which a response of the ~~[[simplified]]~~ response model is to simplify, a PUSH model, in which the host device writes data into the target device, and an isochronous model, which uses an isochronous transfer.

Claim 3 (canceled)

DI
Claim ~~4~~² (previously presented): The method according to claim ~~2~~¹, wherein the PULL model is a PULL data transfer method in which data transfer is performed by reading data of the host device by the target device.

Claim ~~5~~³ (currently amended): The method according to claim ~~[[1]]~~¹~~2~~, wherein the serial bus is a bus adapted to or based on IEEE 1394 standards.

Claim ~~6~~⁴ (currently amended): The method according to claim ~~[[1]]~~¹~~2~~, wherein the serial bus is a bus adapted to or based on Universal Serial Bus standards.

Claim ~~7~~⁵ (currently amended): The method according to claim ~~[[1]]~~¹~~2~~, wherein the host device provides image data.

Claim ~~8~~⁶ (previously presented): The method according to claim ~~7~~⁵, wherein the target device forms a visible image, based on the image data, on a print medium.

Claim ~~9~~⁷ (previously presented): The method according to claim ~~7~~⁵, wherein the target device stores the image data into a storage medium.

Claim ⁸~~10~~ (currently amended): An image processing apparatus comprising:

a communication section, arranged to perform communication with
a target device by:

performing bi-directional communication by using an initial
protocol between a host device and the target device, and

selectively setting a data transfer method to be performed
from a plurality of data transfer methods including a synchronous transfer method, which
performs flow control, and an asynchronous transfer method by using the bi-directional
communication, wherein the data transfer method is set by the host device in accordance
with a data transfer method set in the target device; and

a transmitter, arranged to transmit image data to the target device via
said communication section,

wherein the plurality of data transfer methods include a PULL
model, in which the target device reads data from the apparatus, a response model, in
which a response is returned in a unit of block transfer, a simplified response model, in
which a response of the response model is to simplify, a PUSH model in which the
apparatus writes data into the target device, and an isochronous model, which uses an
isochronous transfer.

Claim ⁹~~11~~ (currently amended): An image processing apparatus comprising:

a communication section, arranged to perform communication with
a host device by:

performing bi-directional communication by using an initial protocol between the host device and a target device, and

selectively setting a data transfer method to be performed from a plurality of data transfer methods including a synchronous transfer method, which performs flow control, and an asynchronous transfer method by using the bi-directional communication, wherein the data transfer method is set by the host device in accordance with a data transfer method set in the target device; and

a processor, arranged to process image data received from the host device via said communication section,

wherein the plurality of data transfer methods include a PULL model, in which the target device reads data from the apparatus, a response model, in which a response is returned in a unit of block transfer, a simplified response model, in which a response of the response model is to simplify, a PUSH model in which the apparatus writes data into the target device, and an isochronous model, which uses an isochronous transfer.

Claim 12 (canceled)

¹⁰
Claim ~~12~~ (currently amended): ~~The apparatus according to claim 12, A data transmission apparatus connected to a serial bus, comprising:~~

a communication section, arranged to perform bi-directional communication by using an initial protocol with a target device; and

a setting section, arranged to selectively set a data transfer method to be performed from a plurality of data transfer methods including a synchronous transfer

method, which performs flow control, and an asynchronous transfer method by using the bi-directional communication.

wherein the data transfer method is set in accordance with a data transfer method set in the target device, and the plurality of data transfer methods [[includes]] include a PULL mode, in which the target device reads data from the apparatus, a response model, in which a response is returned in a unit of block transfer, a simplified response model, in which a response of the [[simplified]] response model is to simplify, a PUSH model, in which the apparatus writes data into the target device, and an isochronous model, which uses an isochronous transfer.

Claim 14 (canceled)

Claim ¹¹~~15~~ (previously presented): The apparatus according to claim ¹⁰~~13~~, wherein the PULL model is a PULL data transfer method in which data transfer is performed by reading data of said apparatus by the target device.

Claim ¹²~~16~~ (currently amended): The apparatus according to claim ¹⁰~~[[12]]13~~, wherein image data is transferred.

Claim 17 (canceled)

Claim ¹³~~18~~ (currently amended) ~~The apparatus according to claim 17, A data~~ transmission apparatus connected to a serial bus, said apparatus comprising:

a communication section, arranged to perform bi-directional communication by using an initial protocol with a host device; and

a transfer section, arranged to perform data transfer with the host device by a data transfer method selectively set from a plurality of data transfer methods including a synchronous transfer method, which performs flow control, and an asynchronous transfer method by using the bi-directional communication,

wherein the data transfer method is set by the host device in accordance with a data transfer method set in the apparatus, and the plurality of data transfer methods ~~[[includes]]~~ include a PULL model, in which said apparatus reads data from the host device, a response model, in which a response is returned in a unit of block transfer, a simplified response model, in which a response of the ~~[[simplified]]~~ response model is to simplify, a PUSH model, in which the host device writes data into said apparatus, and an isochronous model, which uses an isochronous transfer.

Claim 19 (canceled)

¹⁴Claim ~~20~~¹⁴ (previously presented): The apparatus according to claim ~~18~~¹³, wherein the PULL model is a PULL data transfer method in which data transfer is performed by reading data of the host device by said apparatus.

¹⁵Claim ~~21~~¹⁵ (currently amended): The apparatus according to claim ~~[[17]]~~¹³ ~~18~~¹³, further comprising a formation section arranged to form a visible image on a print medium based on data received by said transfer section.

Claim 22 (canceled)

Claim ¹⁶23 (currently amended): ~~The system according to claim 22,~~ A data transmission system for transferring data through a serial bus, comprising:

a communication section, arranged to perform bi-directional communication by using an initial protocol between host and target devices; and

a setting section, arranged to selectively set a data transfer method to be performed from a plurality of data transfer methods, including a synchronous transfer method, which performs flow control, and an asynchronous transfer method by using the bi-directional communication,

wherein the data transfer method is set by the host device in accordance with a data transfer method set in the target device, and the plurality of data transfer methods [[includes]] include a PULL model, in which the target device reads data from the host device, a response model, in which a response is returned in a unit of block transfer, a simplified response model, in which a response of the [[simplified]] response model is to simplify, a PUSH model, in which the host device writes data into the target device, and an isochronous model, which uses an isochronous transfer.

Claims 24-51 (canceled)